

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
Phone No. (512) 322-2212 Fax No. (512) 463-6693

## PRODUCT EVALUATION

DR-587

Effective Date: December 1, 2012

Reevaluation Date: **May 2016**

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

**Series 420 Aluminum Sliding Glass Doors, Non-impact Resistant**, manufactured by

**General Aluminum Company of Texas, LP**  
**1001 W. Crosby Road**  
**Carrollton, Texas 75006**  
**Telephone: (972) 242-5271**

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 420 Aluminum Sliding Glass Door; (XX)	R-PG40 96x80-SD	±40 psf
2	Series 420 Aluminum Sliding Glass Door; (XX)	R-PG35 96x96-SD	±35 psf
3	Series 420 Aluminum Sliding Glass Door; (XX)	R-PG40 96x96-SD	±40 psf
4	Series 420 Aluminum Sliding Glass Door; (OXO)	R-PG40 146x80-SD	±40 psf
5	Series 420 Aluminum Sliding Glass Door; (OXO)	R-PG35 146x96-SD	±35 psf
6	Series 420 Aluminum Sliding Glass Door; (OXO)	R-PG40 146x96-SD	±40 psf

### Product Dimensions:

System	Overall Size	Panel Size	Operable Daylight Opening
1	96" x 80"	48 1/2" x 79"	44 5/8" x 74 5/8"
2	96" x 96"	48 1/2" x 95"	44 5/8" x 90 5/8"
3	96" x 96"	48 1/2" x 95"	44 5/8" x 90 5/8"
4	145 3/4" x 80"	48 1/2" x 79"	44 5/8" x 74 5/8"
5	145 3/4" x 96"	48 1/2" x 95"	44 5/8" x 90 5/8"
6	145 3/4" x 96"	48 1/2" x 95"	44 5/8" x 90 5/8"

**Product Identification (Certification Agency Label on Door):**

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	GA
	Product Name	Series 420 SGD
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	GA
	Product Name	Series 420 SGD (REINF)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	GA
	Product Name	Series 420 SGD (MODIF)(REINF)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	GA
	Product Name	Series 420 SGD
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
5	Certification Agency	AAMA
	Manufacturer's Name or Code Name	GA
	Product Name	Series 420 SGD (REINF)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
6	Certification Agency	AAMA
	Manufacturer's Name or Code Name	GA
	Product Name	Series 420 SGD (MODIF)(REINF)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

**Impact Resistance:**

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

**Installation:**

System		
1-6	Type of Installation	Through Frame
	Wall Framing	Southern Pine
	Fasteners	Minimum No. 10 Screws
	Fastener Location/Spacing	Head and Jambs: Two rows of fasteners located a maximum of 5 ½ inches from each end and spaced a maximum of 17 inches on center thereafter. The sill is secured with screws located 5 ½ inches from each end and spaced a maximum of 22 ½ inches thereafter. The perimeter frame is sealed with silicone.
	Fastener Penetration	Minimum of 1 ½ inches into the wall framing members

**Note:** The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.